

ILLEGIB

Approved For Release 2001/07/31 : CIA-RDP78T05439A000300310026-0

Next 6 Page(s) In Document Exempt

Approved For Release 2001/07/31 : CIA-RDP78T05439A000300310026-0

~~TOP SECRET~~

Copy 18
20 Pages

NPIC/R-229/64

April 1964

PHOTOGRAPHIC INTERPRETATION REPORT

ICBM COMPLEX, SVOBODNYY, USSR



CIA



DIA

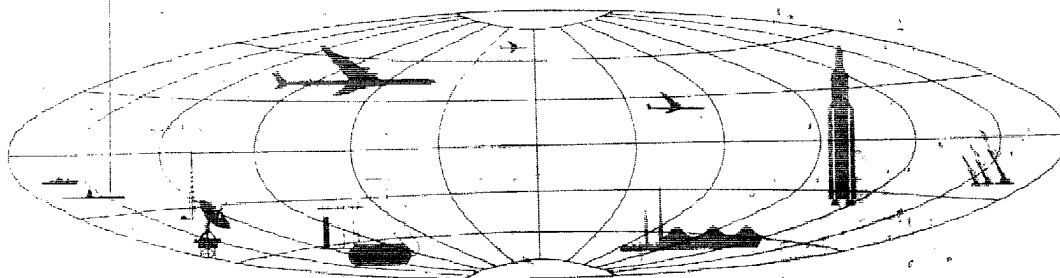
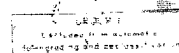
Handle Via **TALENT - KEYHOLE** Control Only

WARNING

DECLASSIFICATION REVIEW BY NIMA / DoD

This document contains classified information affecting the national security of the United States within the meaning of the espionage laws U. S. Code Title 18, Sections 793 and 794. The law prohibits its transmission or the revelation of its contents in any manner to an unauthorized person, as well as its use in any manner prejudicial to the safety or interest of the United States or for the benefit of any foreign government to the detriment of the United States. It is to be seen only by personnel especially indoctrinated and authorized to receive TALENT-KEYHOLE information. Its security must be maintained in accordance with KEYHOLE and TALENT regulations.

NATIONAL PHOTOGRAPHIC INTERPRETATION CENTER

~~TOP SECRET~~

TOP SECRET RUFF

PHOTOGRAPHIC INTERPRETATION REPORT

ICBM COMPLEX, SVOBODNYY, USSR

NPIC/R-229/64

April 1964

NATIONAL PHOTOGRAPHIC INTERPRETATION CENTER

TOP SECRET RUFF

TOP SECRET RUFF

NPIC/R-229/64

25X1A

Launch Site A (TDI Site 3)	51-55N 128-10E	BE No
Launch Site B (TDI Site 1)	51-49N 128-19E	BE No
Launch Site C (TDI Site 2)	51-53N 128-23E	BE No
Launch Site D (TDI Site 4)	51-58N 128-07E	BE No
Launch Site E (TDI Site 6)	51-43N 128-00E	BE No
Launch Site F (TDI Site 5)	51-51N 128-13E	BE No
Launch Site G (TDI Site 7)	51-38N 127-58E	BE No
Launch Site H (TDI Site 8)	52-02N 128-05E	BE No

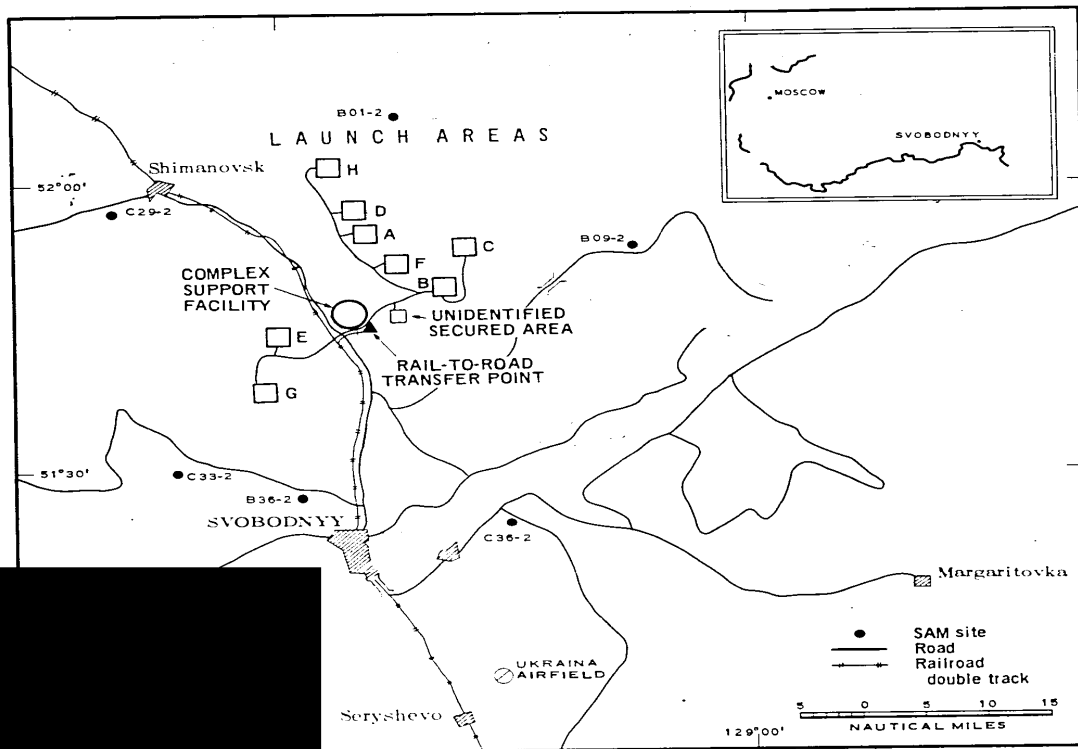


FIGURE 1. LOCATION OF COMPLEX.

TOP SECRET RUFF

TOP SECRET RUFF

NPIC/R-229 '64

ICBM COMPLEX, SVOBODNY, USSR

INTRODUCTION

The Svobodny ICBM Complex is located 21.5 nm north of Svobodny and 20.9 nm south-east of Shimanovsk. It is situated in a generally hilly area, having an elevation range of 700--1,100 feet. The vegetation consists of scattered trees and brush. The Zeya river is east of the complex and numerous small streams flow through the area (Figure 1).

The complex consists of a complex support facility, a rail-to-road transfer point, and eight launch areas: three Type IIB, four Type IID, and one Type IIIA. Orientation of the Type II sites is 30 degrees, [REDACTED], and orientation of the Type III site is 000/180 degrees, [REDACTED]

The complex support facility, rail-to-road transfer point, and Launch Areas A, B, and C were first seen in [REDACTED]. Lack of previous photographic coverage prevented negating the complex support facility, rail-to-road transfer point, and Launch Area A; but the locations of Launch Areas B and C were observed in [REDACTED] and there was no activity visible at that time. Construction for Launch Areas D and F was detected in [REDACTED]. Launch Areas E, G, and H were first seen in [REDACTED].

This is the easternmost ICBM complex identified to date in the USSR. There are six SA-2 SAM sites in the vicinity:

Malaya Sazanka SAM Site C33-2, BE [REDACTED]
Malaya Sazanka SAM Site B36-2, BE [REDACTED]
Ukraina SAM Site C36-2, BE [REDACTED]
Svobodny ICBM Complex SAM Site B01-2, BE [REDACTED]
Svobodny ICBM Complex SAM Site C29-2, BE [REDACTED]
Svobodny ICBM Complex SAM Site B09-2, BE [REDACTED]

COMPLEX SUPPORT FACILITY

The complex support facility (51-46N 128-07E) is located 21.5 nautical miles (nm) north of Svobodny. It is rail served by a 2.5 nm spur from the Trans-Siberian railroad, and road served from the highway running between Svobodny and Shimanovsk.

The complex support facility consists of a railhead and storage area, a housing area, and two administration and housing areas (Figures 2 and 3).

The railhead and storage area extends approximately 3,000 feet in an east-west direction and approximately 3,900 feet in a north-south direction. The area is served by a central rail spur with two side spurs and contains at least 12 warehouses, approximately 58 other buildings of various sizes, and scattered equipment. In [REDACTED] rail cars were discernible in the railhead area. Some components within the area appear to be fenced.

TOP SECRET RUFF

TOP SECRET RUFF

NPIC R-229/64

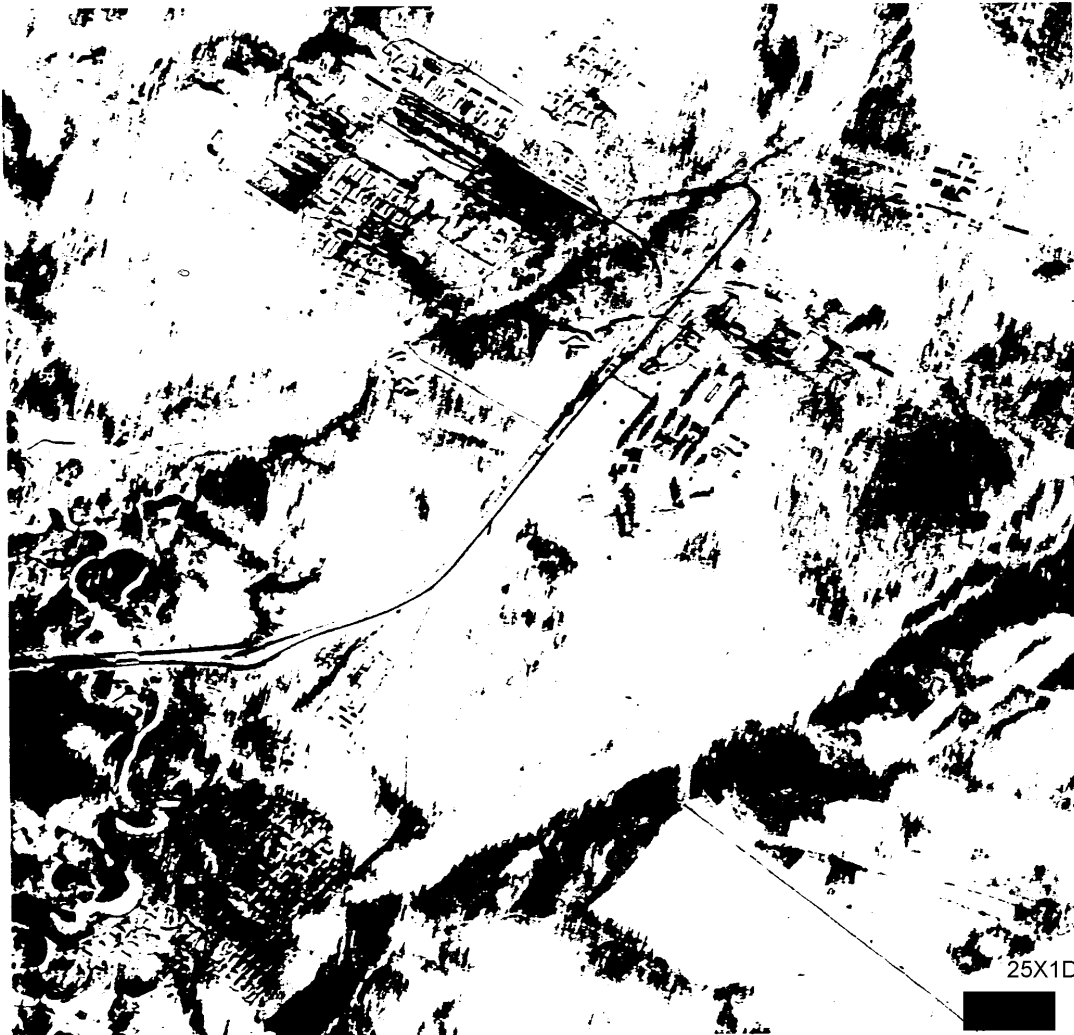


FIGURE 2. COMPLEX SUPPORT FACILITY, [REDACTED] AND RAIL-TO-ROAD TRANSFER POINT.

25X1B

- 2 -

TOP SECRET RUFF

TOP SECRET RUFF

NPIC/R-229/64

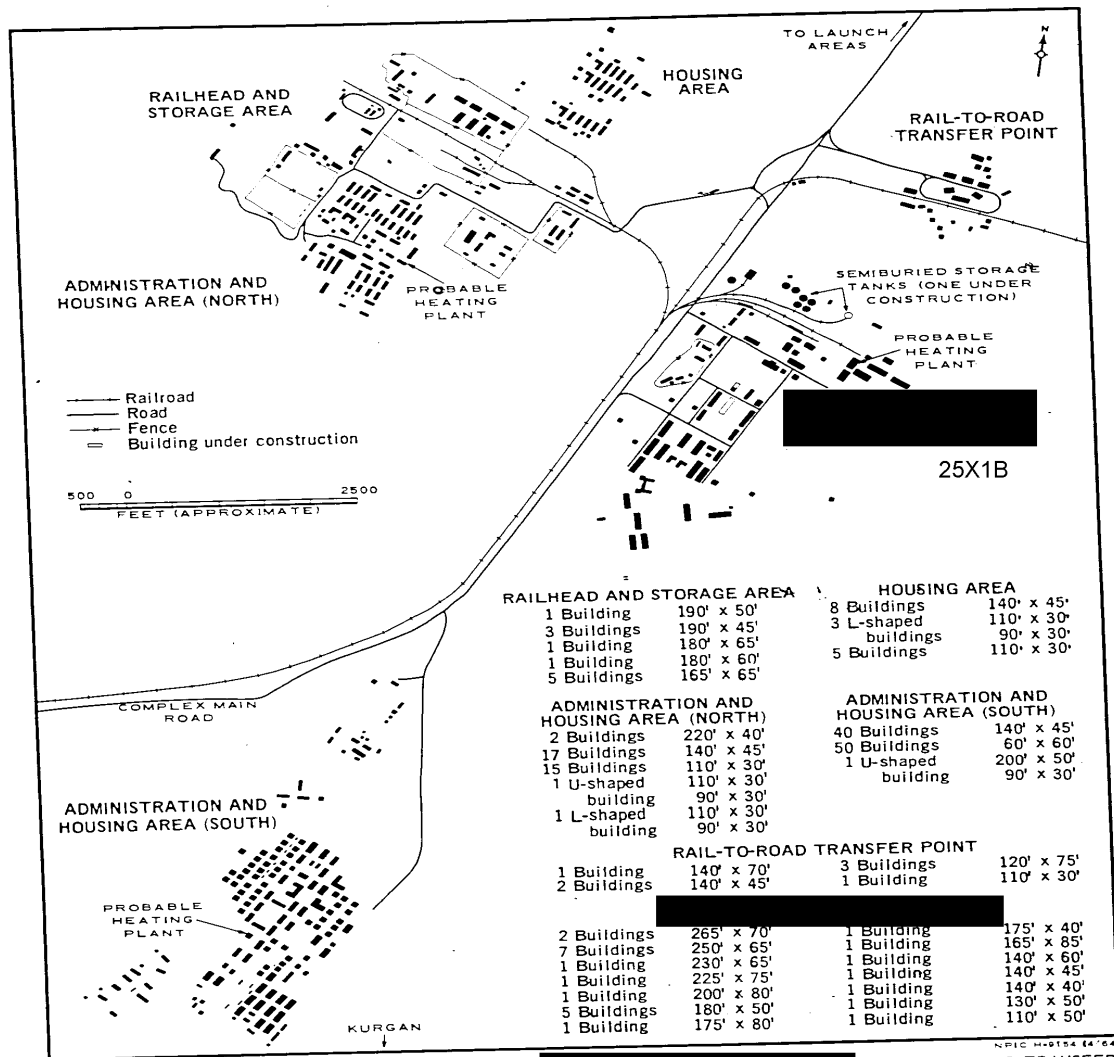


FIGURE 3. LAYOUT OF COMPLEX SUPPORT FACILITY, [REDACTED] AND RAIL-TO-ROAD TRANSFER POINT.

25X1B

25X1B

TOP SECRET RUFF

TOP SECRET RUFF

NPIC 'R-229 '64

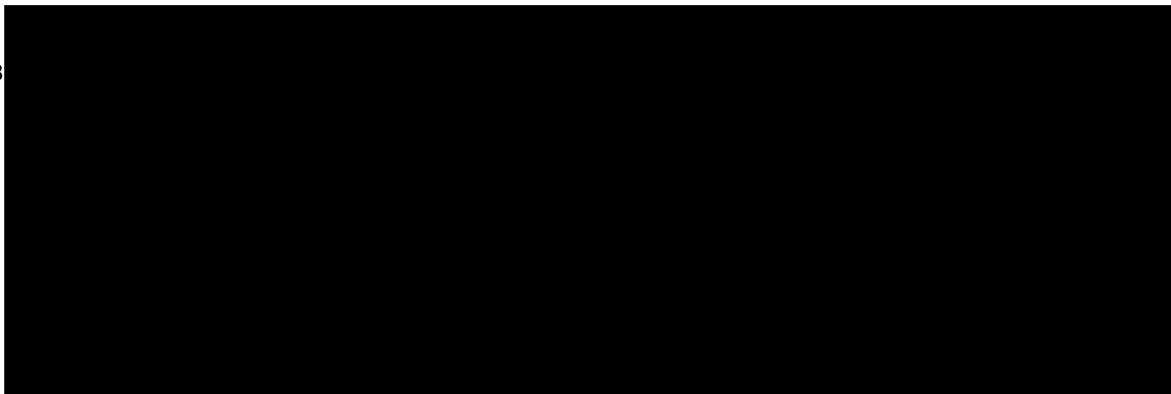
A housing area adjacent to the northern side of the railhead and storage area contains 39 buildings of which 13 are barracks-type and 3 are L-shaped.

The north administration and housing area is adjacent to the railhead and storage area. It contains 69 buildings, including 32 barracks-type, one U-shaped and one L-shaped building,

and a probable heating plant.

The south administration and housing area is 2.0 nm south of the railhead and storage area and adjacent to the village of Kurgan. It contains approximately 160 buildings and includes 40 barracks-type buildings, 50 family-type buildings, a U-shaped administration building, and a probable heating plant.

25X1B



RAIL-TO-ROAD TRANSFER POINT

The rail-to-road transfer point (51-46N 128-09E) is located on the east side of the complex main road at the terminus of the rail spur serving the complex (Figures 2 and 3). It is 3,250 feet east of the railhead and storage area. The rail-to-road transfer point is loop type, 900

by 150 feet. There are 23 buildings in the vicinity. Rail cars were discernible on the rail spur in [REDACTED]. The complex main road joins the rail-to-road transfer point to the eight launch areas.

25X1D

SECURED AREA NORTHEAST OF RAIL-TO-ROAD TRANSFER POINT

An unidentified secured area (51-47N 128-12E) is located 3.4 nm northeast of the complex support facility. The rail-served area, enclosed by a double security fence, covers an area ap-

proximately 1,350 by 900 feet. This area was [REDACTED]

25X9

TOP SECRET RUFF

NPIC/R-229/64

25X1D

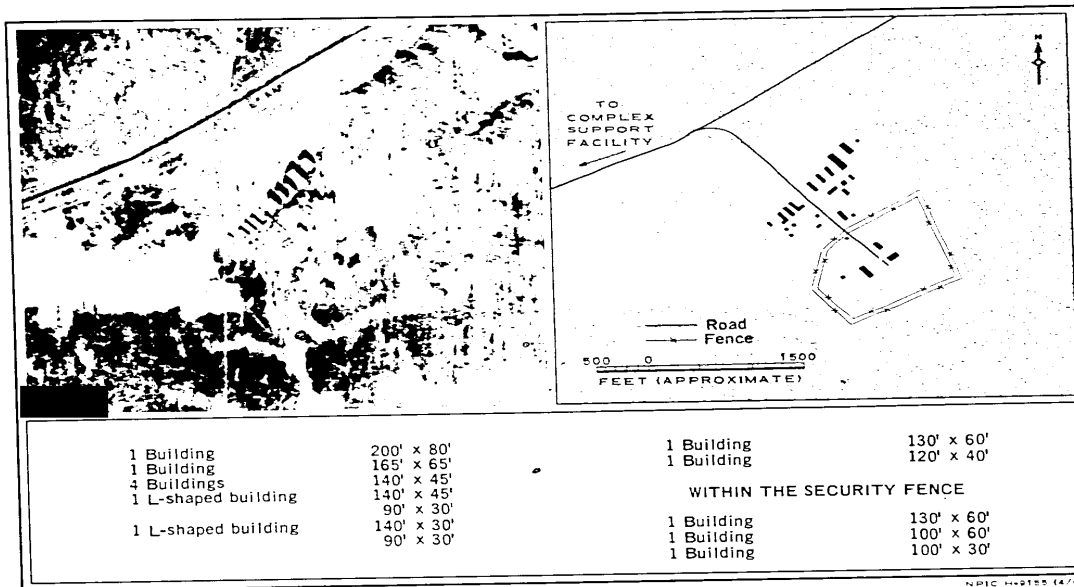


FIGURE 4. SECURED AREA NORTHEAST OF RAIL-TO-ROAD TRANSFER POINT.

Five buildings, including a small one near the entrance, are located within the security fencing (Figure 4). Twenty-one buildings, in-

cluding four barracks-type buildings and two L-shaped buildings, are located near the access road leading to the secured area.

LAUNCH AREA A

25X1D

Launch Area A consists of a completed Type IIB site and the site support facility (Figure 5). It is located 9.1 nm north-northeast of the complex support facility. The area was first seen in [REDACTED]. It cannot be negated because of lack of previous photographic coverage.

25X1D

By [REDACTED] the launch site was considered complete. A security fence

surrounds an area of approximately 2,300 by 2,000 feet. An erector/shelter is discernible on each of the elongated launch pads. There are 14 buildings within the site, 7 of which are earth mounded. Two earth-mounded missile-ready buildings are 600 feet behind the pads, the left one inline with the pad and the right one canted outward approximately 35 degrees. The center service road is offset to the right and there are

TOP SECRET RUFF

TOP SECRET RUFF

NPIC/R-229 64

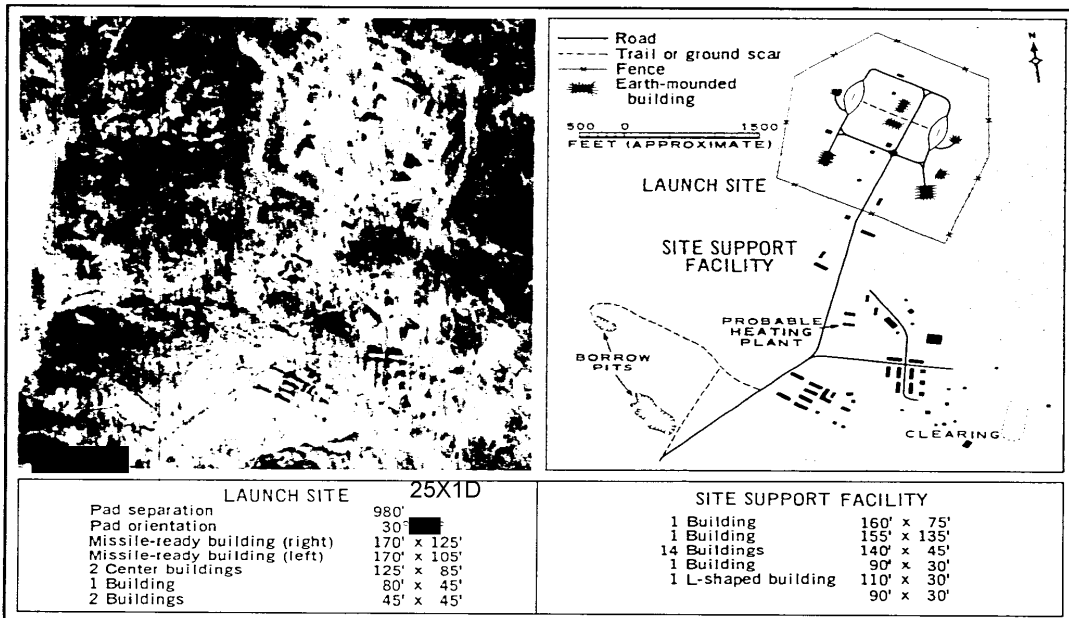


FIGURE 5. LAUNCH AREA A.

two earth-mounded center buildings adjacent to it, one on each side of the probable cable scar between pads.

The site support facility is approximately 3,000 feet south of the launch site, and has administration and housing buildings. There are 47 buildings associated with the facility, including 14 barracks type and one L-shaped and a probable heating plant. To the southeast is an oval-shaped clearing 500 by 230 feet in area which was first observed in [REDACTED]. No activity has been observed in this clearing.

LAUNCH AREA B

Launch Area B consists of a completed Type IIB site and the site support facility (Figure 6). It is located 8.0 nm northeast of the complex

support facility. The area was first seen in [REDACTED]

TOP SECRET RUFF

TOP SECRET RUFF

NPIC R-229-64

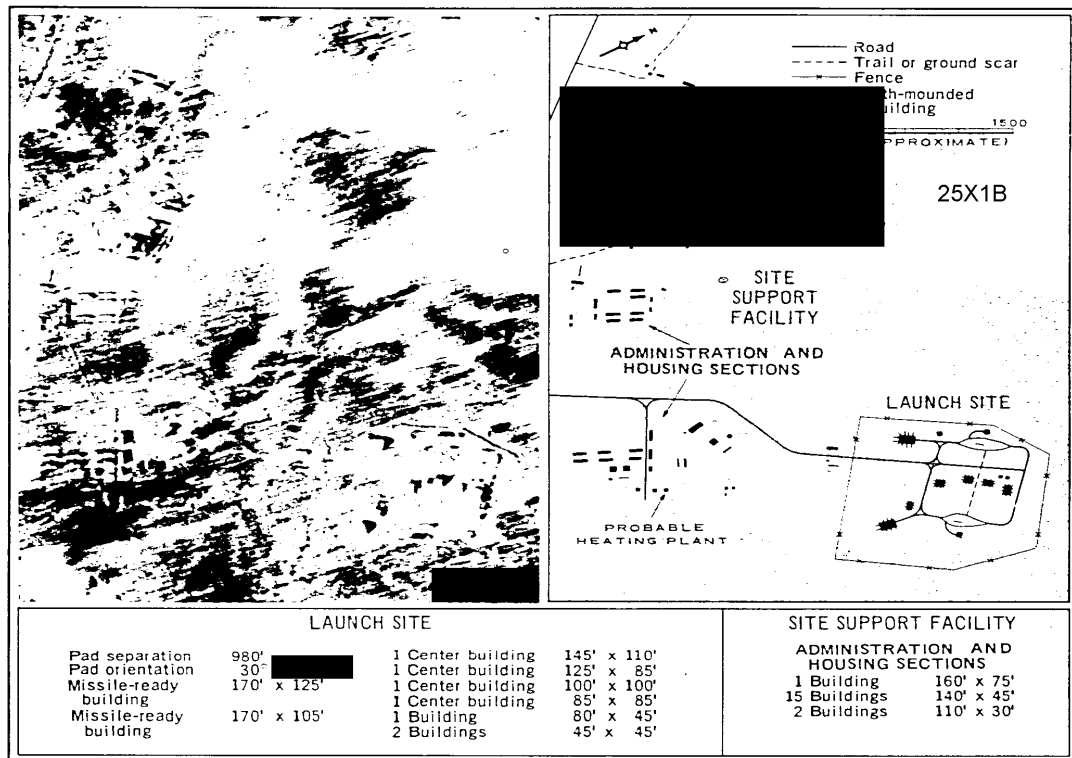


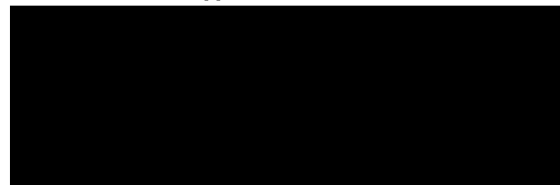
FIGURE 6. LAUNCH AREA B.

NPIC R-229-64

25X1D

The launch site was considered complete in [REDACTED]. Security fencing is evident around the site, which covers an area approximately 2,000 feet square and contains 12 buildings. The center service road is offset to the left and has four earth-mounded buildings adjacent to it. On each elongated pad there is an erector/shelter. Two earth-mounded missile-ready buildings are 675 feet behind the pads,

the left one inline with the left pad, the right one canted outward approximately 35 degrees. The



25X9

TOP SECRET RUFF

TOP SECRET RUFF

NPIC R-229/64

The site support facility is 3,000 feet south-southwest of the launch site and contains two administration and housing sections. The south-eastern one has 26 buildings, including 8 barracks type and a probable heating plant. The

other section contains 17 buildings, including 9 barracks type. Northwest of this section are

25X1B

LAUNCH AREA C

Launch Area C consists of a completed Type IIB launch site and the site support facility (Figure 7). It is located 12.1 nm northeast of the complex support facility. This area was first seen in [redacted] and can be

negated in [redacted]

25X1D

The launch site was considered complete in [redacted]. A security fence encloses a generally hexagonal cleared area approximately 2,000 by 2,000 feet which contains

25X1D

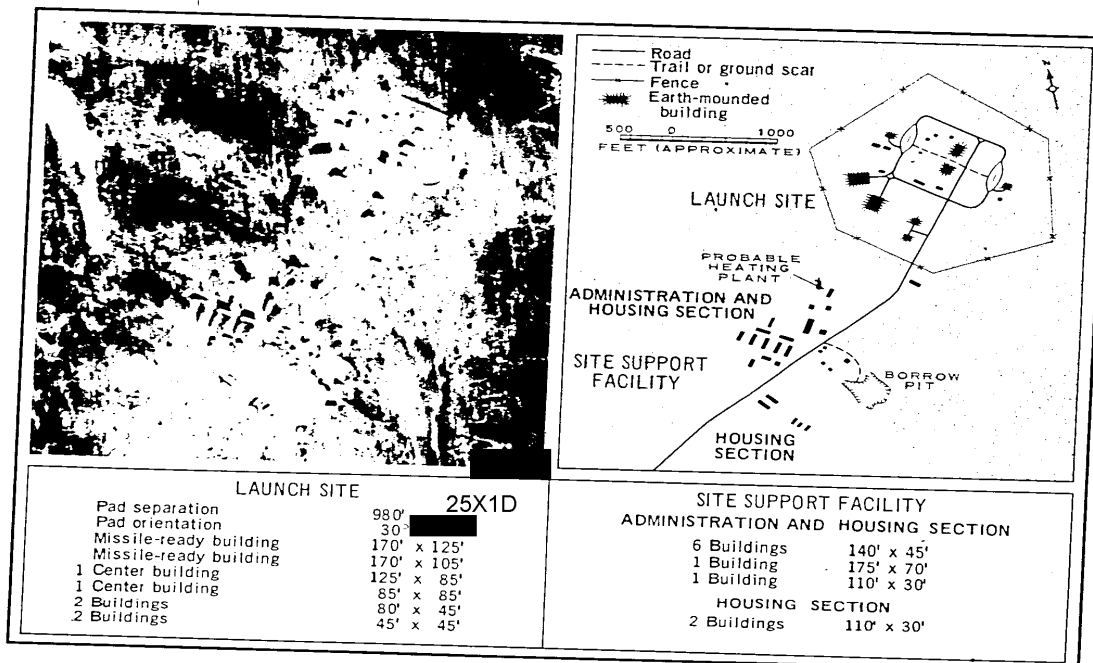


FIGURE 7. LAUNCH AREA C.

NPIC H-9118 (4/64)

TOP SECRET RUFF

NPIC /R-229/64

18 buildings. There is a probable guard building outside the fence, on the site access road. An erector/shelter is visible on each pad. Two earth-mounded missile-ready buildings are 600 feet behind the left launch pad, one inline with the long axis of the pad and the other canted outward approximately 60 degrees. The center service road is offset to the right, with two earth-mounded buildings adjacent.

25X9

The site support facility is located 3,000 feet southwest of the launch site. It consists of an administration and housing section and a housing section. The administration and housing section contains 21 buildings, including 7 barracks-type buildings and a probable heating plant. The housing section, located across the road, contains five buildings including two small barracks-type buildings and three smaller buildings. Four barracks-type buildings have apparently been removed from this housing section since [REDACTED]

25X1D

LAUNCH AREA D

Launch Area D consists of a Type IID site and the site support facility (Figure 8). It is located in a partially wooded area 14.0 nm north of the complex support facility. The site was

25X1D

The launch site is probably enclosed by at least one security fence. There is an erector/shelter on the right pad and possible construction activity apparent on the left pad. One large earth-mounded missile ready building, canted outward approximately 30 degrees is situated 600 feet to the rear of the right pad, and a narrower earth mounded missile-ready building, canted outward approximately 45 degrees is 600 feet behind the left pad. Three of the canted buildings, one of which is earth mounded, have been completed inboard of the pads. There are five buildings in the center of the site, four of which are earth mounded.

25X9

The site support facility is about 3,600 feet west of the launch site and contains an administration and housing section, [REDACTED]

25X9

and a housing section. The administration and housing section lies on the northeast side of the complex main road. It has nine buildings that measure 160 by 45 feet and may be barracks; six of these apparently have covered entrances. Nine other buildings, including a probable heating plant, are in the section. To [REDACTED]

25X1B
25X1B

with a well-defined road network, three very small buildings, and one possible large building under construction. In addition, there are three small buildings across the complex main road. The housing section is to the northwest and contains 8 barracks-type buildings and 20 miscellaneous buildings.

25X1B

TOP SECRET RUFF

TOP SECRET RUFF

NPIC R-229 64

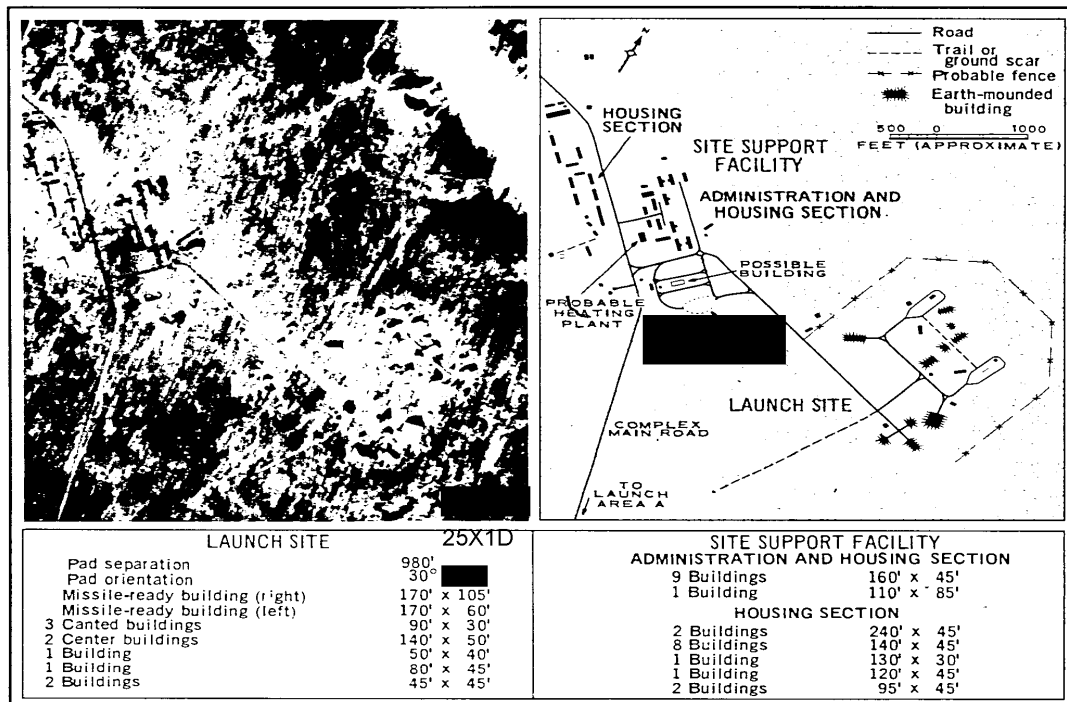


FIGURE 8. LAUNCH AREA D.

NPIC H-9159 1A-64

LAUNCH AREA E

Launch Area E consists of a completed Type IID site and the site support facility (Figure 9). It is located in a wooded area 5.3 nm southwest of the complex support facility. The area was negated on photography of [REDACTED]

The launch site is enclosed by at least one security fence although ground snow-cover makes difficult an exact determination of its outline. Erectors/shelters are evident on the pads, and each pad has a long, narrow, unidentified object on the forward end. There is one earth-mounded missile-ready building 650 feet to the rear of the right pad and canted outward approxi-

TOP SECRET RUFF

TOP SECRET RUFF

NPIC/R-229/64

25X1D

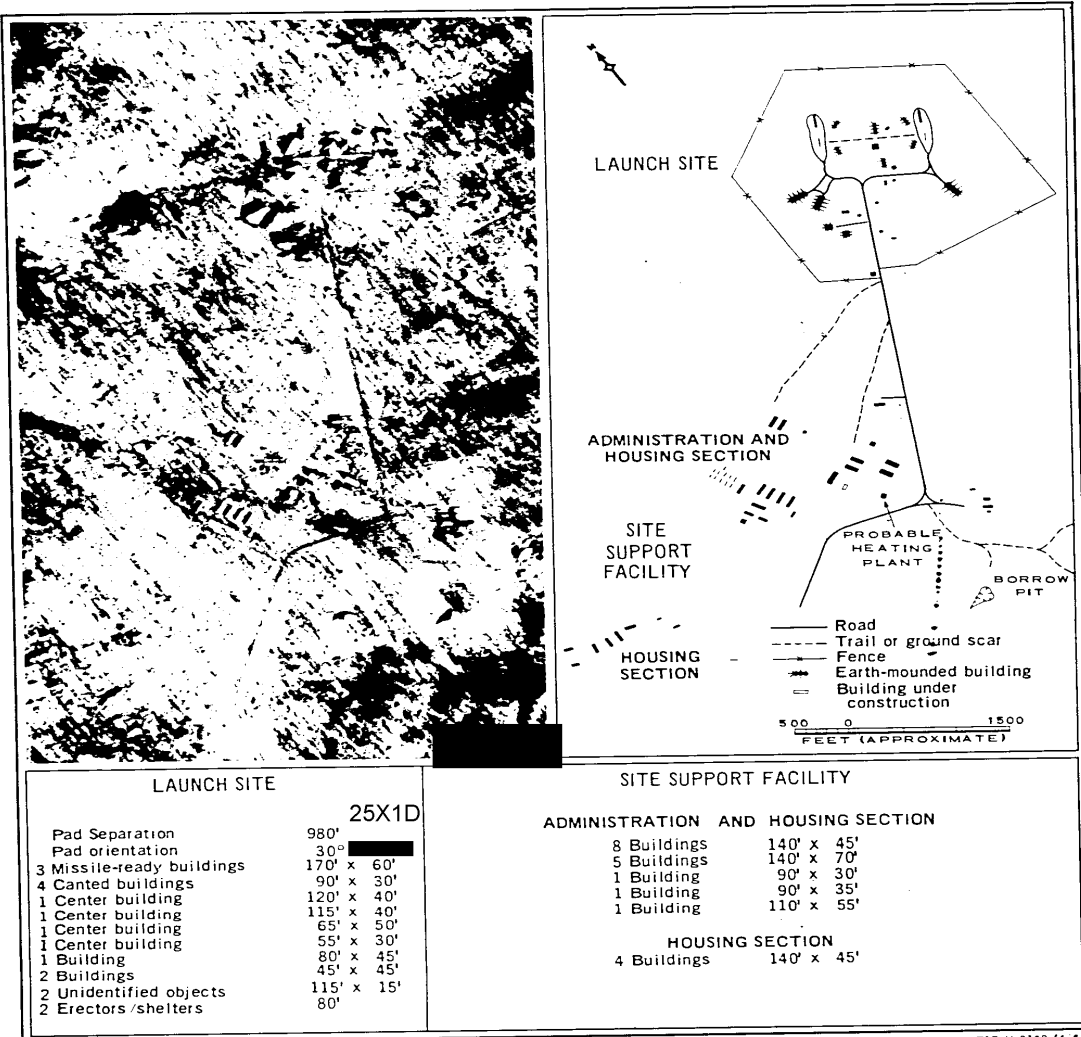


FIGURE 9. LAUNCH AREA E.

NPIC H-2160 (4-64)

TOP SECRET RUFF

TOP SECRET RUFF

NPIC/R-229/64

mately 40 degrees. Two earth-mounded missile-ready buildings are 650 feet to the rear of the left pad and canted outward approximately 25 and 55 degrees. Two earth-mounded canted buildings adjoin each pad, and there are five buildings (three earth mounded) in the center of the site.

25X9

within the launch site.

The site support facility consists of an administration and housing section approximately 4,000 feet southwest of the launch site and a housing section approximately 6,500 feet southwest of the launch site. In the administration and housing section there are 8 barracks-type buildings, 5 larger buildings, 10 small buildings (one under construction), a probable heating plant, and a group of 11 very small structures or objects. The housing section contains 8 buildings--4 barracks type and 4 others.

LAUNCH AREA F

Launch Area F consists of a completed Type IID site and the site support facility, located 6.3 nm north-northeast of the complex support facility (Figure 10). This area can be negated on photography of

there are five buildings (three earth mounded) in the center of the site.

25X1B
25X1B

25X9

The launch site appears to be enclosed by a double security fence, although the outline cannot be determined on the eastern and southern sides. An erector/shelter is visible on each pad. There is a large earth-mounded missile-ready building, canted outward approximately 5 degrees, 700 feet behind the right pad. A narrower earth-mounded missile-ready building, canted outward approximately 65 degrees, is 600 feet to the rear of the left pad. Two canted earth-mounded buildings are inboard of each pad, and

During the initial construction stages, the site support facility was approximately 4,000 feet southwest of the launch site, near the junction of the access road and the complex main road. At that time it contained eight barracks and several small structures. Between all but two of the barracks had been removed, and the main part of the site support facility is now 700 feet closer to the site. It lies on both sides of the access road and consists of 7 barracks-type buildings, a probable heating plant, and 26 other buildings, mostly very small.

25X1D
25X1D

LAUNCH AREA G

Launch Area G consists of a Type IIIA launch site and the site support facility (Figure

11). It is located on a ridge 10 nm southwest of the complex support facility, in a wooded area

TOP SECRET RUFF

NPIC/R-229/64

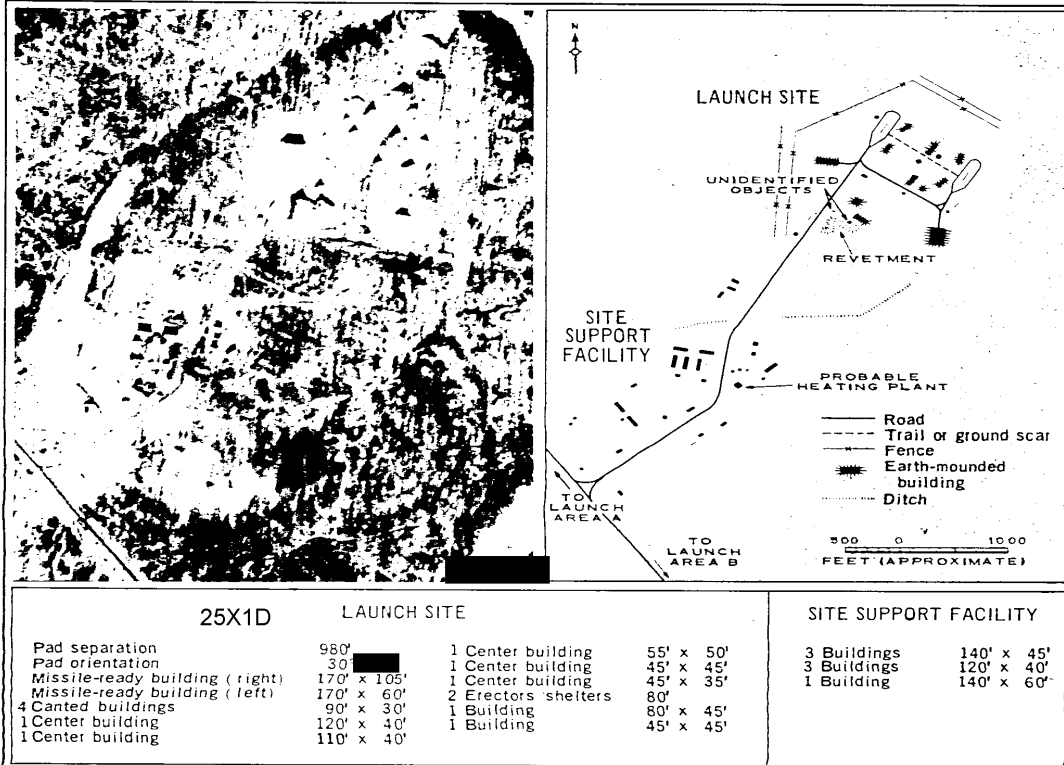


FIGURE 10. LAUNCH AREA F.

of relatively steep terrain with sharply pronounced drainage patterns. The first coverage of this area was in [REDACTED] when it was in a midstage of construction. It can be negated in [REDACTED]

The launch site is oriented on an azimuth of 000/180 degrees, plus or minus 5 degrees, and it has a rectangular excavation 500 by 200 feet with a notch for the control bunker on the

north side. There are three equally spaced shafts for the silos at the bottom of the excavation, and a small object is visible at the south-east edge of each shaft. Two structures are apparent in the notch and two within the excavation. A probable drainage ditch runs from the north-east corner of the excavation to a natural drain, and there is a possible structure near the north-east end of the ditch. A T-shaped building is

TOP SECRET RUFF

TOP SECRET RUFF

NPIC/R-229/64

near the northwest edge of the excavation, and across the access road there are six small buildings, an unidentified object, and two possible spoil piles.

The site support facility is 2,000 feet north of the launch site and has two sections. In the

administration and housing section there are 9 barracks-type buildings, one building 200 by 45 feet, and 3 smaller buildings. A housing section has 5 barracks-type buildings, one building 200 by 45 feet, and 2 smaller buildings.

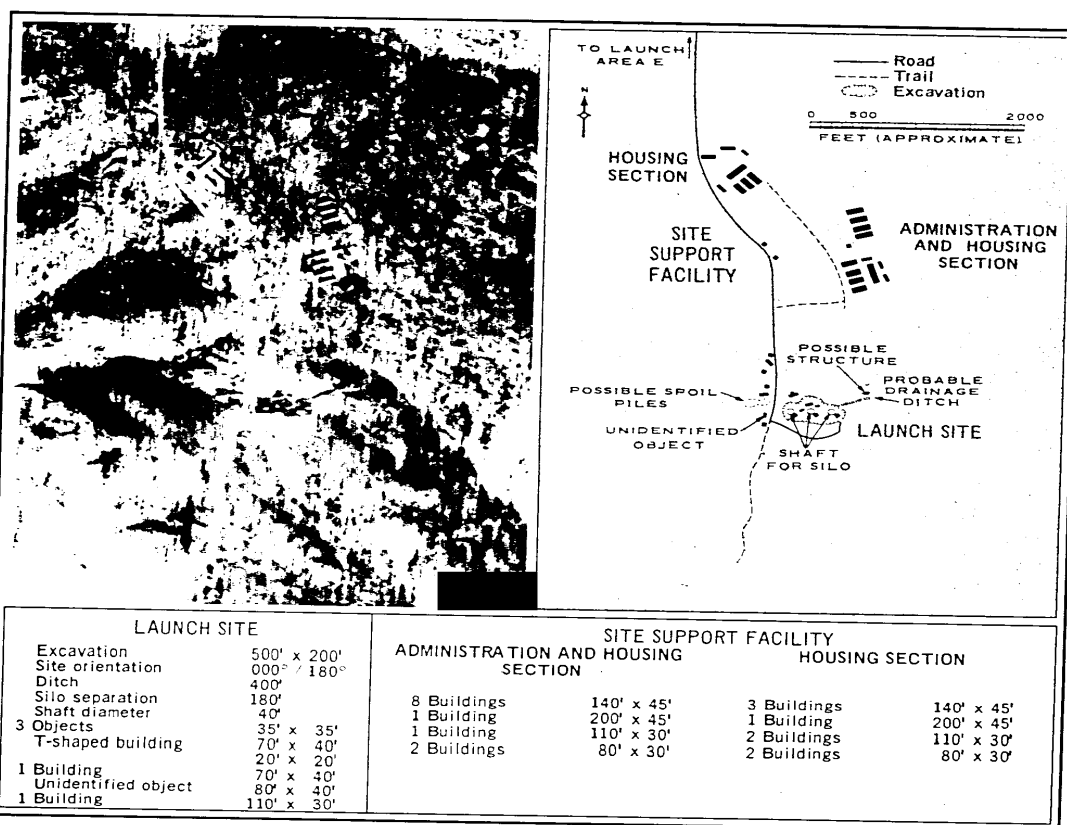


FIGURE 11. LAUNCH AREA G.

NPIC H-9162 (4/64)

TOP SECRET RUFF

TOP SECRET RUFF

NPIC /R-229/64

LAUNCH AREA H

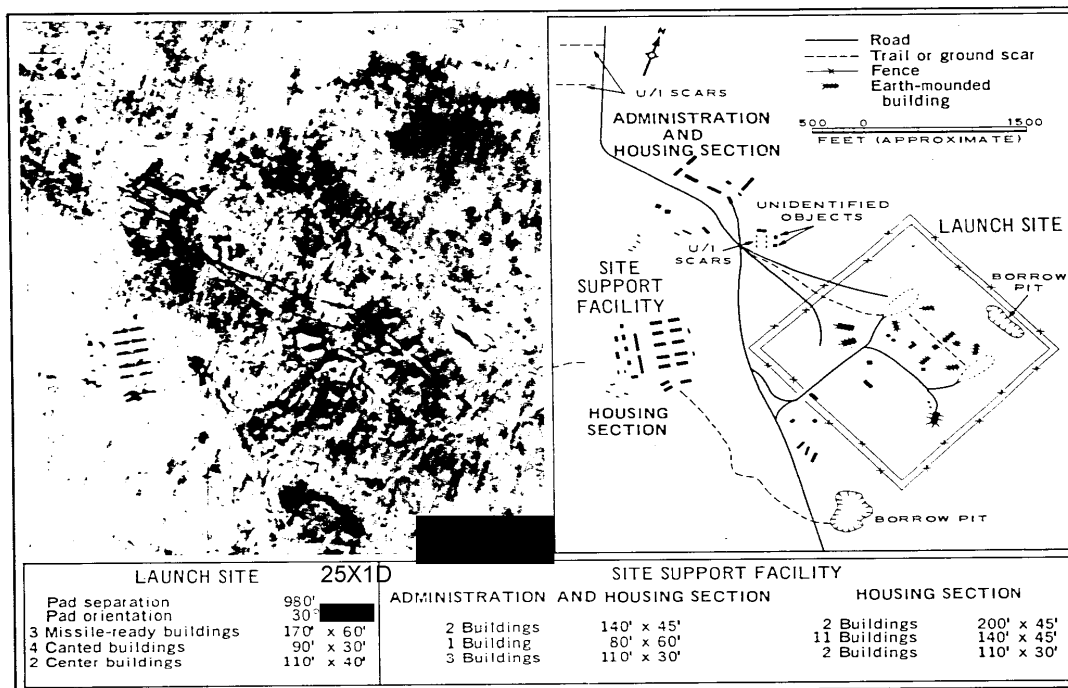
Launch Area H consists of a Type IID launch site and the site support facility. It is located in a wooded area 16.5 nm north of the complex support facility. The launch area was first seen

25X1D

The launch site is enclosed by a double security fence about 2,000 feet square. It is in the midstage of construction and the launch pads appear dark and are apparently under construc-

tion. The four canted buildings inboard of the pads and four of the five center buildings are earth mounded. There are three earth-mounded missile-ready buildings. One is located 600 feet behind the right pad and canted outward about 30 degrees. The other two ready buildings are located 600 feet behind the left pad and are canted outward about 30 degrees and 60 degrees.

25X9



25X1D

FIGURE 12. LAUNCH AREA H.

NPIC H-9163 (4/64)

TOP SECRET RUFF

25X1B

Approved For Release 2001/07/31 : CIA-RDP78T05439A000300310026-0

Approved For Release 2001/07/31 : CIA-RDP78T05439A000300310026-0

TOP SECRET RUFF

NPIC /R-229 /64

ding facility, still under construction. In addition, there are three small buildings in the launch area, one of which appears to be L-shaped; and there is a probable guard building beside the road, just inside the security fence. Outside the fence there are five buildings and a borrow pit, and there is another borrow pit inside the fence, near the northeast corner.

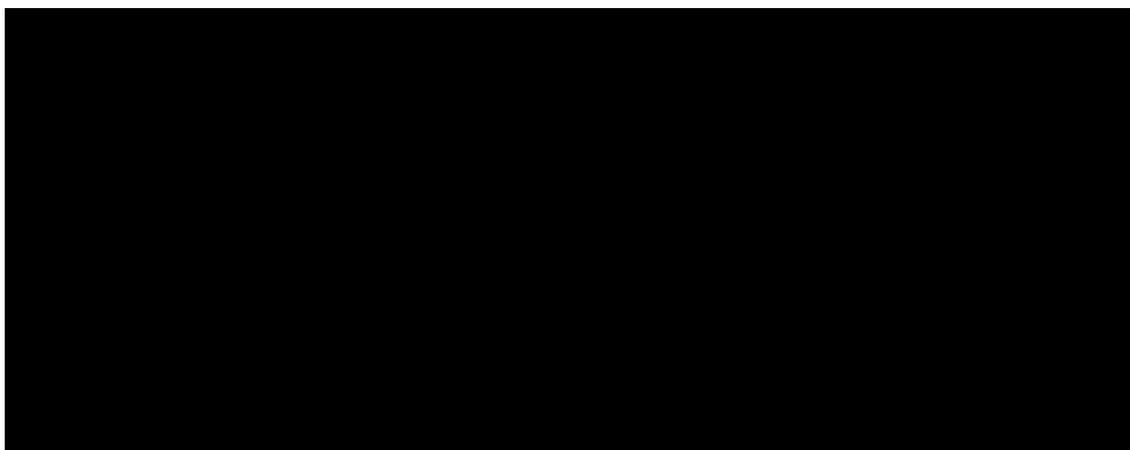
The site support facility is approximately 2,000 feet west of the launch site and it has a housing section and an administration/housing section. There are 13 barracks-type buildings, two 200- by 45-foot buildings, and numerous

smaller ones in the housing section. The administration/housing section contains five barracks-type buildings and a number of smaller ones, most of the latter being across the site access road. Snow cover, on [REDACTED] photography, causes several of the smaller objects to be indistinct.

25X1D

There are two unidentified scars and two small unidentified objects immediately east of the administration/housing section; and 4,000 feet northwest of the launch site there are two unidentified parallel scars that are 350 by 40 feet each and about 500 feet apart.

25X1B



TOP SECRET RUFF

TOP SECRET RUFF

NPIC R-229 64

REFERENCES

PHOTOGRAPHY

25X1D



MAPS OR CHARTS

SAC. US Air Target Chart, Series 200, Sheet 0203-3HL, 3d ed, Oct 62, scale 1:200,000 (SECRET)

ACIC. US Air Target Chart, Series 200, Sheet 0198-25AL, 1st ed, Mar 60, scale 1:200,000 (SECRET)

ACIC. ONC E-9, 1st classified ed, Dec 59, scale 1:1,000,000 (CONFIDENTIAL)

REQUIREMENTS

PC-806 63 (partial answer)

PC-13 64

PC-14 64

NPIC PROJECTS

J-368 63 (partial answer)

N-16 64

N-17 64

TOP SECRET

TOP SECRET